

IN THE CLAIMS:

Please write the claims to read as follows:

- 1 1. (Currently Amended) A conformable fuel cell, comprising:
- 2 (A) a membrane electrolyte intimately interfacing with a catalyst layer
- 3 along each of the membrane's major surfaces being a catalyzed membrane electro-
- 4 lyte, having an anode aspect and a cathode aspect, and which catalyzed membrane
- 5 electrolyte is conformable to a any desired shape;
- 6 (B) diffusion layers sandwiching said catalyzed membrane electrolyte,
- 7 said diffusion layers being comprised of materials that are conformable;
- 8 (C) flexible current collectors coupled with each of said anode aspect
- 9 and said cathode aspect of said membrane electrolyte;
- 10 (D) a conformable fuel delivery means coupled with said anode aspect
- 11 of said membrane electrolyte that delivers fuel substantially uniformly to said an-
- 12 ode aspect while said fuel cell maintains said desired shape, said fuel delivery
- 13 means thereby maintaining high compression along the active surfaces of the fuel
- 14 cell; and
- 15 (E) electrical coupling disposed across said anode aspect and said
- 16 cathode aspect and having means for connection to an application device being
- 17 powered by said fuel cell.
- 1 2. (Original) The conformable fuel cell as defined in claim 1 wherein said current
- 2 collectors at each of said anode aspect and said cathode aspect apply adequate compres-
- 3 sion effectively over the active area of the membrane electrolyte.

1 3. (Original) The conformable fuel cell as defined in claim 2 wherein said compres-
2 sion applied to said active area is equal to or greater than about 100 psi.

1 4. (Previously Presented) The conformable fuel cell as defined in claim 1 further
2 comprising management of water from cathode to anode such that water management is
3 achieved within the fuel cell.

1 5. (Original) The conformable fuel cell as defined in claim 1 wherein said fuel is
2 substantially comprised of at least one of the following: a vapor fuel, a gel fuel, a liquid
3 fuel and combinations thereof.

1 6. (Previously Presented) The conformable fuel cell as defined in claim 1 further com-
2 prising a dedicated layer of material that substantially expands upon hydration, thus im-
3 parting compression.

1 7-11 (Cancelled)

1 12. (Previously Presented) The conformable fuel cell as defined in claim 1 wherein
2 said conformable fuel cell is shaped to conform to one of the following:

- 3 (A) a body segment; and
4 (B) a contoured wall of an application device; and
5 (C) an exterior housing or an interior volume of an application device.

1 13. (Previously Presented) The conformable fuel cell as defined in claim 1 wherein
2 said conformable fuel cell is configured to attach to an article of clothing mechanically.

1 14. (Previously Presented) The conformable fuel cell as defined in claim 1 wherein
2 fuel delivery is accomplished from a detachable conduit that connects to said anode as-
3 pect of the fuel cell.

1 15-25 (Cancelled)

2 26. (Previously Presented) The conformable fuel cell as defined in claim 1 further
3 comprising a dedicated layer of material that substantially expands upon exposure to fuel,
4 thus imparting compression.

1 27. (Previously Presented) The conformable fuel cell as defined in claim 1 further
2 comprising a dedicated layer of material that substantially expands upon exposure to
3 heat, thus imparting compression.

Please add the following new claims:

1 28 (New) The conformable fuel cell of claim 1, wherein the conformable fuel deliv-
2 ery means comprises a layer of gelled fuel.

1 29 (New) The conformable fuel cell of claim 1, wherein the conformable fuel deliv-
2 ery means is affixed to the anode aspect of the current collector.